

JPOXMLDOC01-seq1.app  
SEQUENCE LISTING

<110> Japan Science and Technology Agency

<120> Genetic markers that link to the QTL of resistance to barley yellow mosaic virus, and usage thereof

<130> A181-10PCT

<150> JP 2004-090644

<151> 2004-3-25

<150> JP 2004-342737

<151> 2004-11-26

<160> 62

<170> PatentIn Ver. 2.1

<210> 1

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized primer sequence

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cttggccttg atcttctgct

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<210> 2

<211> 20

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<223> Description of Artificial Sequence:Artificially synthesized primer sequence

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<210> 3

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 3

tctttcctgg gttggtaac

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<210> 4

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<212> DNA

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<223> Description of Artificial Sequence:Artificially synthesized primer sequence

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gcagcttttg agttcggtcc

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<223> Description of Artificial Sequence:Artificially synthesized primer sequence

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<220>  
<223> Description of Artificial Sequence:Artificially synthesized primer sequence

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<210> 7  
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<220>  
<223> Description of Artificial Sequence:Artificially synthesized primer sequence

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<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 8  
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<210> 9  
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<212> DNA  
<213> Hordeum vulgare

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<210> 10  
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<212> DNA  
<213> Hordeum vulgare

<400> 10  
atcttctgca agcacttgc g 21

<210> 11  
<211> 21  
<212> DNA  
<213> Hordeum vulgare

<400> 11  
tgccgtggcc gtgcacgatg a 21

<210> 12  
<211> 21  
<212> DNA  
<213> Hordeum vulgare

<400> 12  
tgccgtggcc atgcacgatg a 21

<210> 13  
<211> 21  
<212> DNA  
<213> Hordeum vulgare

<400> 13  
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<210> 14  
<211> 21  
<212> DNA  
<213> Hordeum vulgare

<400> 14  
attactcagc cacacaccta t 21

<210> 15  
<211> 688  
<212> DNA  
<213> Hordeum vulgare

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aaggccctcc gcatggccctt tggtgaat 688

<210> 16  
<211> 645  
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<213> Hordeum vulgare

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<211> 696  
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<213> *Hordeum vulgare*

<220>  
<221> unsure  
<222> (10, 24, 30)

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ggacggggat ctccagcgta	ccggccacccgc	cgtccagctt	cacgtcgagg	atgcagcgga	660
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〈210〉 18  
〈211〉 738  
〈212〉 DNA  
〈213〉 *Hordeum vulgare*

<210> 19  
<211> 20  
<212> DNA  
<213> Artificial Sequence

〈220〉  
〈223〉 Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 19  
acgatcgatc aaaaggacca

<210> 20  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 20  
aatccgacga aatcaacgag 20

<210> 21  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 21  
ctcgatcatc agcgacttca 20

<210> 22  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 22  
gaagaggcac cttctgcaac 20

<210> 23  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 23  
aatgtgcaca ccaaggttga 20

<210> 24  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 24  
agacaacaac cgcctgttacc 20

<210> 25

<211> 19  
 <212> DNA  
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 25  
 gatgagtcct gagtaaacc

19

<210> 26  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 26  
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19

<210> 27  
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 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 27  
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20

<210> 28  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 28  
 agtactccga caccacgtcc

20

<210> 29  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 29  
 gatgagtcct gagtaaatt

19

<210> 30  
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 <212> DNA  
 <213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 30  
gactgcgtac caattcacg

19

<210> 31  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 31  
gatgagtcct gagtaata

19

<210> 32  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 32  
gactgcgtac caattcgga

19

<210> 33  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 33  
atggacccaa caagtggaaag

20

<210> 34  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 34  
aggaagactt tggaggccat

20

<210> 35  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
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synthesized primer sequence

<400> 35  
gatgagtcct gagtaatgg

19

<210> 36  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 36  
gactgcgtac caattcgga

19

<210> 37  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 37  
gatgagtcct gagtaacaa

19

<210> 38  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 38  
gactgcgtac caattcggg

19

<210> 39  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 39  
gatgagtcct gagtaaacg

19

<210> 40  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 40

gactgcgtac caattccat

<210> 41  
<211> 19  
<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 41  
gatgagtcct gagtaaatg

19

<210> 42  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 42  
gactgcgtac caattcata

19

<210> 43  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 43  
gatgagtcct gagtaaacg

19

<210> 44  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 44  
gactgcgtac caattcgat

19

<210> 45  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 45  
gatgagtcct gagtaaacg

19

<210> 46  
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 <223> Description of Artificial Sequence:Artificially  
 synthesized primer sequence  
  
 <400> 46  
 gactgcgtac caattcgga 19

<210> 47  
 <211> 16  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:Artificially  
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 <400> 47  
 gacgatgagt ccttag 16

<210> 48  
 <211> 14  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:Artificially  
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 <400> 48  
 tactcaggac tcat 14

<210> 49  
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 <213> Artificial Sequence  
  
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 <223> Description of Artificial Sequence:Artificially  
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 <400> 49  
 ctcgtagact gcgtacc 17

<210> 50  
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 <213> Artificial Sequence  
  
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 <223> Description of Artificial Sequence:Artificially  
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 <400> 50  
 aattggtacg cagtctac 18

<210> 51  
 <211> 16  
 <212> DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:Artificially synthesized primer sequence

&lt;400&gt; 51

gatgagtcct gagtaa

16

&lt;210&gt; 52

&lt;211&gt; 16

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:Artificially synthesized primer sequence

&lt;400&gt; 52

gactgcgtac caattc

16

&lt;210&gt; 53

&lt;211&gt; 664

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (10)

&lt;400&gt; 53

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caac						664

&lt;210&gt; 54

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 54

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&lt;210&gt; 55

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 55

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21

&lt;210&gt; 56

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 56

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21

&lt;210&gt; 57

&lt;211&gt; 514

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 57

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 gtacaggcgg ttgttgtctc tactggaaat gaaggctgcc ctcagcacgt ttgtgatctc 480  
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&lt;210&gt; 58

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 58

agccttccac tggtatcatt t

21

&lt;210&gt; 59

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 59

agccttccac cggtatcatt t

21

&lt;210&gt; 60

&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (2)

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<210> 61  
<211> 21  
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<213> Hordeum vulgare

<400> 61  
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<210> 62  
<211> 21  
<212> DNA  
<213> Hordeum vulgare

<400> 62  
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